

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.  
UNTD:013Serial No.  
09/602,983Applicant  
EDWARD A. HUBBARD**RECEIVED**

JAN 19 2001

Filing Date:  
JUNE 23, 2000Group: **Technology Center 2100**  
2766U.S. Patent Documents  
See Pages 1-2Foreign Patent Documents  
See Page 2Other Art  
See Page 3**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
10	A1	4,669,730	06/02/87	Small	273	138	
10	A2	4,815,741	03/28/89	Small	273	138	
10	A3	5,056,019	10/08/91	Schultz et al.	364	405	
10	A4	5,332,218	07/26/94	Lucey	273	138	
10	A5	5,483,444	01/09/96	Heintzeman et al.	364	401	
10	A6	5,598,566	01/28/97	Pascucci et al.	395	750	
10	A7	5,703,949	12/30/97	Rosen	380	21	
10	A8	5,802,062	09/01/98	Gehani et al.	370	465	
10	A9	5,815,793	09/29/98	Ferguson	455	3.1	
10	A10	5,826,265	10/20/98	Van Huben et al.	707	8	
10	A11	5,862,325	01/19/99	Reed et al.	395	200.31	
10	A12	5,884,072	03/16/99	Rasmussen	395	600	
10	A13	5,909,540	06/01/99	Carter et al.	395	182.02	
10	A14	5,916,024	06/29/99	Von Kohorn	463	40	
10	A15	5,918,229	06/29/99	Davis et al.	707	10	
10	A16	5,921,865	07/13/99	Scagnelli et al.	463	17	
10	A17	5,937,192	08/10/99	Martin	395	705	
10	A18	5,958,010	09/28/99	Agarwal et al.	709	224	
10	A19	5,966,451	10/12/99	Utsumi	380	49	
10	A20	5,970,469	10/19/99	Scroggie et al.	705	14	
10	A21	5,970,477	10/19/99	Roden	705	32	
10	A22	5,987,506	11/16/99	Carter et al.	709	213	
10	A23	6,003,065	12/14/99	Yan et al.	709	201	

Examiner:

Date Considered:

4/29/04

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.  
UNTD:013Serial No.  
09/602,983Applicant  
EDWARD A. HUBBARD**RECEIVED**Filing Date:  
JUNE 23, 2000Group:  
2766JAN 19 2001  
Technology Center 2100U.S. Patent Documents  
See Pages 1-2Foreign Patent Documents  
See Page 2Other Art  
See Page 3**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
✓	A24	6,009,455	12/28/99	Doyle	709	201	
✓	A25	6,014,634	01/11/00	Scroggie et al.	705	14	
✓	A26	6,024,640	02/15/00	Walker et al.	463	17	
✓	A27	6,026,474	02/15/00	Carter et al.	711	202	
✓	A28	6,052,785	04/18/00	Lin et al.	713	201	
✓	A29	6,058,393	05/02/00	Meier et al.	707	10	
✓	A30	6,061,660	05/09/00	Eggleston et al.	705	14	
✓	A31	6,070,190	05/30/00	Reps et al.	709	224	
✓	A32	6,094,654	07/25/00	Van Huben et al.	707	8	
✓	A33	6,112,225	08/29/00	Kraft et al.	709	202	
✓	A34	6,112,304	08/29/00	Clawson	713	156	
✓	A35	6,112,181	08/29/00	Shear et al.	705	1	
✓	A36	6,115,713	09/05/00	Pascucci et al.	707	10	
✓	A37	6,148,335	11/14/00	Haggard et al.	709	224	
✓	A38	6,148,377	11/14/00	Carter et al.	711	147	
✓	A39	6,151,684	11/21/00	Alexander et al.	714	4	

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.

UNTD:013

Serial No.

09/602,983

Applicant

EDWARD A. HUBBARD

Filing Date:

JUNE 23, 2000

Group:

2766

U.S. Patent Documents

See Pages 1-2

Foreign Patent Documents

See Page 2

Other Art

See Page 3

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
VB	C1	Brian Hayes, "Computing Science: Collective Wisdom," <i>American Scientist</i> , March-April 1998
VB	C2	Steve Lawrence, et al., "Accessibility of information on the web," <i>Nature</i> , Vol. 400, pp. 107-109, July 1999
VB	C3	Steve Lawrence, et al., "Searching the World Wide Web," <i>Science</i> , Vol. 280, pp. 98-100, April 3, 1998
VB	C4	Steve Lawrence, et al., "Context and Page Analysis for Improved Web Search," <i>IEEE Internet Computing</i> , pp. 38-46, July-August 1998
VB	C5	Vasken Bohossian, et al., "Computing in the RAIN: A Reliable Array of Independent Nodes," California Institute of Technology, September 24, 1999
VB	C6	"A White Paper: The Economic Impacts of Unacceptable Web-Site Download Speeds," Zona Research, Inc., pp. 1-17, April 1999
VB	C7	Peter J. Sevcik, "The World-Wide-Wait Status Report," <i>Northeast Consulting Resources, Inc.</i> , Global Internet-Performance Conference, October 14, 1999
VB	C8	"White Paper: Max, and the Objective Measurement of Web Sites," WebCriteria, Version 1.00, pp. 1-11, March 12, 1999
VB	C9	Renu Tewari, et al., "Design Considerations for Distributed Caching on the Internet," pp. 1-13, May 1999
VB	C10	"Measuring and Improving Your E-Commerce Web Site Performance with Keynote Perspective," Keynote Systems, pp. 1-15, March 29, 2000
VB	C11	Sullivan, et al., "A New Major SETI Project Based On Project Serendip Data and 100,000 Personal Computers," Proc of the Fifth Intl Conf on Bioastronomy IAU Colloq No. 161, pp. 729-734, 1997

Examiner:

*Thomas J. Brown*

Date Considered:

*4/22/04*

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)Atty. Docket No.  
UNTD:013Serial No.  
09/602,983

List of Patents and Publications for Applicant's

Applicant  
Edward A. Hubbard**RECEIVED**

JUN 13 2003

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
June 23, 2000Group: **Technology Center 2100**  
2766U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page N/AOther Art  
See Page 1**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
VB	A58	6,418,462	7/9/02	Xu	709	201	
VB	A59	6,463,457	10/8/02	Armentrout et al.	709	201	

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
VB	C34	Regev, Ori; Economic Oriented CPU Sharing System for the Internet; Master of Science in Computer Science thesis; Institute of Computer Science; The Hebrew University of Jerusalem; July, 1998
VB	C35	May, Michael; Idle Computing Resources as Micro-Currencies – Bartering CPU Time for Online Content; AACE WebNet99; Oct. 25-30, 1999
VB	C36	May, Michael; Distributed RC5 Decryption as a Consumer for Idle – Time Brokerage; DCW99 Workshop on Distributed Computer on the Web; June 21-23, 1999
VB	C37	May, Michael; Locust – A Brokerage System for Accessing Idle Resources for Web-Computing; Proceedings of the 25 <sup>th</sup> Euromicro Conference; Vol. 2, pp. 466-473; September 8-10, 1999
VB	C38	Huberman, Bernardo A., et al.; Distributed Computation as an Economic System; Journal of Economic Perspectives; Vol. 9, No. 1; pp. 141-152; Winter 1995

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)Atty. Docket No.  
UNTD:013Serial No.  
09/602,983**RECEIVED**

JAN 09 2002

Technology Center 2100

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
JUNE 23, 2000Group:  
2766U.S. Patent Documents  
See Page 1Foreign Patent Documents  
N/AOther Art  
See Pages 1-2**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
TD	A40	5,964,832	10/12/99	Kisor	709	202	
TD	A41	5,655,081	08/05/97	Bonnell et al.	395	200.32	
TD	A42	5,978,594	11/02/99	Bonnell et al.	395	837	
TD	A43	5,740,549	04/14/98	Reilly et al.	705	14	

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
TD	C12	Caronni, et al., "How Exhausting is Exhaustive Search?" RSA Laboratories' CryptoBytes, Vol. 2, No. 3, pp. 2-6, Jan-Mar 1997.
TD	C13	Bricker, et al., "Condor Technical Summary," Computer Sciences Dept., University of Wisconsin, Version 4.1b, pp.1-10, Jan. 28, 1992.
TD	C14	Fields, "Hunting for Wasted Computing Power-New Software for Computing Networks Puts Idle PC's to Work," 1993 Research Sampler, University of Wisconsin, pp. 1-5, 1993.
TD	C15	Anderson, et al., "SETI@home: Internet Distributed Computing for SETI," A New Era in Bioastronomy, ASP Conference Series, Vol. 213, pp. 511-517, 2000.
TD	C16	Bowyer, et al., "Twenty Years of Serendip, the Berkeley SETI Effort: Past Results and Future Plans," Astronomical and Biochemical Origins and the Search for Life in the Universe, pp. 667-676, 1997.
TD	C17	Litzkow, et al., "Condor - A Hunter of Idle Workstations," The 8 <sup>th</sup> International Conf. on Distributed Computing Systems, pp.104-111, 1988.
TD	C18	Hamidzadeh, et al., "Dynamic Scheduling Techniques for Heterogeneous Computing Systems," Concurrency: Practice and Experience, Vol. 7(7), pp. 633-652, 1995.

Examiner:

*Thomas Edwards*

Date Considered:

4/29/04

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)Atty. Docket No.  
UNTD:013Serial No.  
09/602,983

List of Patents and Publications for Applicant's

Applicant  
EDWARD A. HUBBARD**RECEIVED**

JAN 09 2002

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
JUNE 23, 2000Group:  
2766**Technology Center 2100**U.S. Patent Documents  
See Page 1Foreign Patent Documents  
N/AOther Art  
See Pages 1-2**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
TD	C19	Grimshaw, et al., "The Legion Vision of a Worldwide Virtual Computer," Communications of the ACM, Vol. 40, No. 1, pp. 39-45, 1997.
TD	C20	Catlett, et al., "Metacomputing," Communications of the ACM, Vol. 35, No. 6, pp. 44-52, 1992.
TD	C21	Foster, et al., "Globus: A Metacomputing Infrastructure Toolkit," The International Journal of Supercomputer Applications and High Performance Computing, Vol. 11, No. 2, pp. 115-128, 1997.
TD	C22	Mutka, et al., "The Available Capacity of a Privately Owned Workstation Environment," Performance Evaluation 12 (1991) pp. 269-284.
TD	C23	Sullivan, et al., "A New Major SETI Project Based on Project Serendip Data and 100,000 Personal Computers," Astronomical and Biochemical Origins and the Search for Life in the Universe, 5 <sup>th</sup> International Conference on Bioastronomy, IAU Colloquium No. 161, pp. 729-734, 1996.
TD	C24	Gelernter, "Domesticating Parallelism," IEEE Computer, Aug. 1986, 19(8), pp. 12-16.
TD	C25	Goldberg, et al., "A Secure Environment for Untrusted Helper Applications-Confining the Wily Hacker," 6 <sup>th</sup> USENIX Security Symposium, pp. 1-13, 1996.

Examiner:

Date Considered:

4/29/04

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)

FEB 24 2003

Atty. Docket No.  
UNTD:013Serial No.  
09/602,983

List of Patents and Publications for Applicant's

Applicant  
EDWARD A. HUBBARD**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
JUNE 23, 2000Group:  
2766U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 1Other Art  
See Page 12**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
VB	A44	5,893,075	4/6/99	Plainfield et al.	705	14	
VB	A45	5,887,143	3/23/99	Saito et al.	395	200	
VB	A46	5,768,504	6/16/98	Kells et al.	395	187.01	
VB	A47	5,842,219	11/24/98	High, Jr. et al.	707	103	
VB	A48	6,374,254	4/16/02	Cochran et al.	707	102	
VB	A49	5,402,394	3/28/95	Turski	368	10	

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
VB	B1	01/73545	4 OCT 01	WO			English
VB	B2	01/14961	1 MAR 01	WO			English

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
VB	C26	distributed.net: The fastest computer on Earth: Feb 08, 1999, <a href="http://web.archive.org/web/19990221230053/http://distributed">http://web.archive.org/web/19990221230053/http://distributed</a>
VB	C27	London et al., "POPCORN - A Paradigm for Global-Computing", THESIS UNIVERSITY JERUSALEM, June 1998 (1998-06)
VB	C28	Takagi H. et al., "Ninplet: a migratable parallel objects framework using Java", JAVA FOR HIGH-PERFORMANCE NETWORK COMPUTING, Syracuse, NY, USA, 2/1998, Vol. 10, No. 11-13, pp 1063-1078.
VB	C29	Waldspurger, C.A. et al., "Spawn: a distributed computational economy" IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, IEEE INC., NY, US, 2/1992, Vol. 18, No. 2, pp. 103-117

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.

UNTD:013

Serial No.

09/602,983

Applicant

EDWARD A. HUBBARD

Filing Date:

JUNE 23, 2000

Group:

2766

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1-2

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
78	C30	Neary, M. O., et al., "Javelin: Parallel computing on the internet" FUTURE GENERATIONS COMPUTER SYSTEMS, ELSEVIER SCIENCE PUBLISHERS, Amsterdam, NL, 10/1999, Vol. 15, no. 5-6, pp. 661-664
78	C31	Foster, Ian et al., "The Physiology of the Grid," This is a DRAFT document and continues to be revised. Version 2/17/2002
78	C32	Douceur, John R. et al., "A Large-Scale Study of File-System Contents," Microsoft Research, Redmond, WA 98052, May 1999
78	C33	Bolosky, William J. et al., "Feasibility of a Serverless Distributed File System Deployed on an Existing Set of Desktop PCs," Microsoft Research, Redmond, WA 98052, June 2000

Examiner:

*Thomas Brown*

Date Considered:

4/29/04

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.